

83. 4-Wire Interconnection/Switching

This is a request for a particular type of interface. It is being met by or partially met by some regional companies by offering the following ONA services:

- Category 1, Type A - Circuit Switched Line BSA
- Category 1, Type B - Circuit Switched Trunk BSA

84. Access to Clear Channel Transmission

This is a request for an attribute of a service. It is being met by some regional companies by offering the following ONA services:

- Category 3, Type G - Dedicated High Capacity Digital (1.544 Mbps) BSA
- Access To Clear Channel Transmission
- Category 3, Type K - Dedicated Digital (64 kbps) BSA

85. User Initiated Diagnostics

This is a general request for a group of services. These services need to be better defined and then developed. However, this is being met or partially met by some regional companies by offering the following service:

- Access To Operations Support Systems Information

86. Pass Through Diagnostics To User

This is a general request for service. It is being met or partially met by some regional companies by offering the following service:

- Access To Operations Support Systems Information

87. Inband Signaling

This is a request for a particular type of signaling interface. It is related to request number 56. It is being met or partially met by some regional companies by offering the following ONA service:

- Category 3, Type C - Dedicated Voice Grade BSA

88. Bridging

This is a request for a service. It is being met by offering the following ONA service:

- Bridging

89. Monthly Detailed Recording

This is a request for a service. It is being met or partially met by some regional companies by offering the following services:

- Call Detail Recording Reports
- Call Detail Recording Reports (Packet)

90. Automatic Disablement Of Call Waiting Tone During Dial-Up Data Call

This is a request for a service. It is being met or partially met by offering the following ONA service:

- Call Waiting - Cancel

91. Enable / Disable Network DTMF Signaling

This is a request for a service that requires development.

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92. Passive In-Band DTMF Tone Transmission

This is a request for a service that requires development.

93. Extend DTMF Tone Set

This is a request for a service that requires development.

94. Tone to Digital Translation

This is a request for a service to operate in a particular manner. This requires development.

95. Multiple Call Forwarding

This is a request for a service to operate in a particular manner. It is related to requests number 1 and 4. It is being met by some regional companies by offering the following ONA services:

- Call Forwarding - Multiple Simultaneous Calls Interswitch

96. Virtual Dial Tone

This is a request for a particular attribute of a service. It is related to requests number 47 and 48. It is being met by some regional companies by offering the following services:

- Category 2, Type A - X.25 Packet Switched BSA
- Category 2, Type B - X.75 Packet Switched BSA

97. Remote Access to User Programmable Functions (Packet)

This is a request for a service that requires development.

98. Remote Speed Call Menu Builder (Packet)

This is a request for a service that requires development.

99. Speed Call Menu Builder (Packet)

This is a request for a service that requires development.

100. Remote Speed Call Menu Access Translator (Packet)

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Menu Access Translator - Gateway

101. Carrier Selection On Reverse Charge

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Carrier Selection on Reverse Charge

It is also being met or partially met by some regional companies by offering an alternative of the following ONA services:

- Category 1, Type A - Circuit Switched Line BSA
- Category 1, Type B - Circuit Switched Trunk BSA (800 dialing plan alternative)

102. Network Control By Customer From Customer Premises

This is a request for service that requires development.

103. Real Time Traffic Usage Data

This is a general request for a service. It is being met or partially met by some regional companies by offering the following service:

- Access To Operations Support Systems Information

104. Central Office Announcements

This is a request for an attribute of a service. It may be related to request number 25. It is being met or partially met by some regional companies by offering the following ONA services:

- Multiline Hunt Group
- Multiline Hunt Group - C. O. Announcements
- Multiline Hunt Group - Uniform Call Distribution Line Hunting
- Multiline Hunt Group - UCD with Queuing

105. Name & Address of the Calling Party

This is a general request for a service. It is being met or partially met by some regional companies by offering the following service:

- Name of Calling Party

106. Suppression of Audible Click on Call Forwarding (Interoffice)

This is a request for an attribute of a service that requires development.

107. Billing Number Delivery

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Calling Billing Number Delivery - FG B Protocol
- Calling Billing Number Delivery - FG D Protocol

108. Privacy (Classes Of Non-Published Service)

This is a request for a service that requires development.

109. Delivery Of Traveling Class Mark

This is a request for an attribute of a service. It is related to request number 107. It is being met or partially met by some regional companies by offering the following ONA services:

- Calling Billing Number Delivery - FG D Protocol
- Flexible ANI Information Digits

110. User ID Associated With Calling Number And/Or Service ID Code

This is a request for a service that requires development.

111. Warm Line

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Warm Line

112. Closed User Group (Packet)

This is a request for a service. It is being met by offering the following ONA service:

- Closed User Groups - Packet

113. Fast Select (Packet)

This is a request for a service. It is being met by some regional companies by offering the following ONA services:

- Fast Select Acceptance - Packet
- Fast Select Request - Packet

114. Hunt Group (Packet)

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Hunt Groups - Packet

115. Call Redirection (Packet)

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Call Redirection - Packet

116. Direct Call (Packet)

This is a request for a service. It is being met by some regional companies by offering the following ONA service:

- Direct Call - Packet

117. Programmed Default Call Forwarding

This is a request for a service that requires development.

118. Restriction of Outgoing Calls (Packet)

This is a request for a service that requires development.

Appendix B: Individual Regional Company Responses to the 118 ESP Requests

| ESP REQUEST FOR NETWORK CAPABILITY | AM | BA | BS | NX | PB | SW | Qwest |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| 1. Call Forwarding Busy Line/Don't Answer | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 2. Activation Of CF Variable Without Call Completion | CNS | CNS | CNS | CNS | CNS | | CNS |
| 3. Call Forward Don't Answer Interoffice | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 4. Multiple Calls Forwarded To DID Interoffice | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 5. Call Forwarding With Status Information To Answering Bureau | BSE | BSE | BSE | BSE | BSE | | BSE |
| 6. Activation of Call Forwarding Variable With Call Completion | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 7. Call Forwarding With Call Screening | | CNS | CNS | | CNS/ BSE | CNS | CNS |
| 8. Call Forwarding With Call Waiting | | | CNS | CNS | CNS | | CNS |
| 9. Call Forwarding With Called and Calling Number | BSE | BSE | BSE | BSE | BSE | | BSE |
| 10. Call Forward Don't Answer With Variable Ring Counts | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 11. Customer Control of CFBL/CFDA | CNS | | CNS | CNS | CNS | | CNS |
| 12. Monitor & Barge In | | | | | | | |
| 13. SMDI | BSE | BSE | BSE | BSE | BSE | | BSE |
| 14. SMDI With Automatic Ringback | | | | | | | CNS |
| 15. 3-Way Call Transfer | BSE | BSE | BSE/ CNS | BSE | BSE | | BSE |
| 16. Speed Calling | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 17. Remote Activation of Custom Calling Services | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 18. ESP Notification Of ESP's Client Or BOC Control Action | | | | | | | |
| 19. Call Distribution Functions Including Queue | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| 20. Derived Local Channels | CNS/ BSE | CNS/ BSA | CNS | BSA | CNS/ BSE | CNS/ BSA | BSA |
| 21. Screening | CNS | CNS | CNS | | CNS/ BSE | CNS | CNS |
| 22. Calling Directory Number Delivery | BSE | BSE | BSE/ CNS | BSE/ CNS | BSE | CNS | BSE |
| 23. Delivery of Dialed Number | BSE | BSE | BSE/ CNS | BSE/ CNS | BSE | BSA | BSE |
| 24. Uniform Abbreviated Dialing | | CNS | | | CNS | | CNS |
| 25. Multiline Hunt Groups | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 26. Unlimited Size Hunt Groups | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 27. Individual Access To Each Port In A Hunt Group | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |

| ESP REQUEST FOR NETWORK CAPABILITY | AM | BA | BS | NX | PB | SW | Qwest |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 28. CLASS Features Interoffice | CNS | CNS | CNS/ BSE | CNS | CNS/ BSE | CNS | CNS/ BSE |
| 29. Suppressed Ringing | | | | | | | |
| 30. Trunk Side Access | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 31. Trunk Side Connection With Power Ringing | | | | | | | |
| 32. Access to Extended Superframe Data Channel | BSE | BSA | BSA | BSA | BSA | BSE | BSA |
| 33. Trunk Group Make Busy | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 34. Message Waiting Indication | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS |
| 35. Answer Supervision (Connect/Disconnect Indications) - Line | BSE | BSE | BSE | | BSE | | BSE |
| 36. Night Transfer | BSE | BSE | BSE/ CNS | BSE/ CNS | BSE | BSE | BSE |
| 37. Faster Signaling On DID | | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE | BSA | BSA |
| 38. Post Dialing DTMF Signaling From Paystations | YES | YES | BSA | CNS | YES | CNS | BSA |
| 39. Selected Number Reverse Billing Rate Period Specific | BSE | BSE | | | BSE | BSE | BSE |
| 40. Single Number Access For Multiple Locations | | BSE | CNS | | | | BSA |
| 41. Ability To Notify Or Interrupt A Customer | BSE/ CNS | BSE/ CNS | BSE | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS |
| 42. Ability To Return Held Call To Customer | | | | | | | |
| 43. Interconnection For Specialized Terminal Equipment | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 44. Provision For Sharing An ESP Client Among ESPs | | | | | | | |
| 45. Custom Service Areas | BSA | BSE | BSE | BSA | BSA | | BSE |
| 46. Statistical Multiplexer at Central Office | BSA | BSA/ BSE | | | BSA | BSA | BSA |
| 47. X.25 Interface To Packet Switch | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 48. X.75 Interface To Packet Switch | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 49. Access To Data Services | CNS | CNS/ BSE | CNS | BSE/ CNS | CNS/ BSE | CNS | CNS |
| 50. B-Channel Switched and Dedicated Access | | | | | | | |
| 51. D-Channel Data Delivered on B-Channel | | | | | | | |
| 52. Multiple D-Channels on B-Channel | | | | | | | |
| 53. ESP Access to D-Channel Signaling | | | | | | | |
| 54. Feature Node Service Interface (FN/SI) | | | | | | | |

| ESP REQUEST FOR NETWORK CAPABILITY | AM | BA | BS | NX | PB | SW | Qwest |
|--|-------------|-------------|-------------|-----|-------------|-----|-------|
| 55. Service Control Point (SCP) Databases | | | | | | | |
| 56. Term Sets and Inband Signaling on Analog Channels | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 57. Access to Future Intelligent Functions of ISDN | | | | | | | |
| 58. Compatibility to Existing Terminals | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 59. Mapping ANI to User ID (X.75) | | | | | | | |
| 60. Calls Accepted With BOC's DNIC or ESP's DNIC | BSA | BSA | | | BSA | BSA | BSA |
| 61. Equal Access to Exchange Ntwk Switching and Transmission | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 62. Peak Traffic Handling Within Exchange Network | | | | | | | |
| 63. ESP Defined Dynamic Routing | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 64. Common Channel Signaling Access | BSA | | | BSA | BSA | | BSA |
| 65. Dynamic Allocation of Transmission Capacity | | | BSE/ CNS | | | | |
| 66. Provision of BOC Network Status Information | | | | | | | |
| 67. Real Time Access To Exchange Network Testing Facilities | | | BSE/ CNS | | | | |
| 68. Derived Channels That Comply With UL and NFPA | CNS/ BSE | CNS | BSA | CNS | BSE/ CNS | | CNS |
| 69. One Way Alarm Transmission | CNS | BSA/ CNS | BSA | BSA | BSA | BSA | CNS |
| 70. Derived Channels Compatible with ISDN | | | | | | | |
| 71. Digital Private Lines (DDS) | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 72. Diagnostic Channel on DS0 and Subrate Lines | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 73. Error Detection / Error Correction | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 74. Ability to Detect Breaks in Telco Line Within 60 Seconds | CNS/ BSE | CNS/ BSA | | BSA | CNS/ BSE | | CNS |
| 75. Broadband Link(s) for Video Transmission | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 76. Ability To Reconfigure Networks | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 77. Route Diversity | BSA/ BSE | BSA | BSE/ CNS | BSE | BSA | BSE | BSE |
| 78. Automatic Protection Switching | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 79. Private Line Conditioning | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 80. Multiple Monitors per Loop | BSE/ CNS | | | CNS | CNS | | CNS |
| 81. Clear Access To Data Portion of Derived Channels | BSA | BSA | BSA | BSA | BSA | | BSA |
| 82. Distinctive Ringing | CNS | CNS | CNS | | CNS | CNS | CNS |

| ESP REQUEST FOR NETWORK CAPABILITY | AM | BA | BS | NX | PB | SW | Qwest |
|--|-------------|-----|-------------|--------------------|-----|------------|-------|
| 83. 4-Wire Interconnection/Switching | BSA | BSA | | BSA | BSA | BSA | BSA |
| 84. Access to Clear Channel Transmission | BSE/ BSA | BSE | BSA | BSE | BSE | BSE | BSE |
| 85. User Initiated Diagnostics | | | BSE/ CNS | | | | |
| 86. Pass Through Diagnostics To User | | | BSE/ CNS | | | | |
| 87. Inband Signaling | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 88. Bridging | BSE | BSE | BSE/ CNS | BSE | BSE | BSE | BSE |
| 89. Monthly Detailed Recording | | BSE | BSE | AN/ BSE/ CNS | | AN/ BSE | BSE |
| 90. Auto Disable Of Call Wtng Tone During Dial-Up Data Call | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 91. Enable / Disable Network DTMF Signaling | | | | | | | |
| 92. Passive In-Band DTMF Tone Transmission | | | | | | | |
| 93. Extend DTMF Tone Set | | | | | | | |
| 94. Tone to Digital Translation | | | | | | | |
| 95. Multiple Call Forwarding | CNS | CNS | CNS | CNS | CNS | CNS | CNS |
| 96. Virtual Dial Tone | BSA | BSA | BSA | BSA | BSA | BSA | BSA |
| 97. Remote Access to User Programmable Functions (Packet) | | | | | | | |
| 98. Remote Speed Call Menu Builder (Packet) | | | | | | | |
| 99. Speed Call Menu Builder (Packet) | | | | | | | |
| 100. Remote Speed Call Menu Access Translator (Packet) | | | | | | | BSE |
| 101. Carrier Selection on Reverse Charge | BSA | BSE | BSA | BSE | BSE | | BSA |
| 102. Network Control By Customer From Customer Premises | | | | | | | |
| 103. Real Time Traffic Usage Data | | | BSE/ CNS | | | | |
| 104. Central Office Announcements | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| 105. Name & Address of the Calling Party | | | CNS | | | | |
| 106. Suppression of Audible Click on Call Fwding Interoffice | | | | | | | |
| 107. Billing Number Delivery | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| 108. Privacy (Classes Of Non-Published Service) | | | | | | | |
| 109. Delivery Of Traveling Class Mark | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| 110. User Nmbr Assoc. With Calling Nmbr and/or Svc ID Code | | | | | | | |

| ESP REQUEST FOR NETWORK CAPABILITY | AM | BA | BS | NX | PB | SW | Qwest |
|---|-------------|-------------|-------------|-------------|-------------|-----|-------|
| 111. Warm Line | CNS | CNS | CNS | BSE/ CNS | CNS | CNS | CNS |
| 112. Closed User Group (Packet) | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE | BSE | BSE |
| 113. Fast Select (Packet) | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE/ CNS | BSE | BSE |
| 114. Hunt Group (Packet) | BSE | BSE | BSE/ CNS | BSE/ CNS | BSE | BSE | BSE |
| 115. Call Redirection (Packet) | BSE | BSE | BSE/ CNS | BSE/ CNS | BSE | BSE | BSE |
| 116. Direct Call (Packet) | CNS | CNS | CNS/ BSE | BSE/ CNS | CNS | CNS | CNS |
| 117. Programmed Default Call Forwarding | | | | | | | |
| 118. Restriction of Outgoing Calls (Packet) | | | | | | | |

AN = ancillary service

Please note – recently, various BOCs have completed, or are in the process of completing, corporate mergers. For Appendix A and Appendix B of BOC ONA Special Report #5, the old company names will continue to be used (for example, Bell Atlantic and NYNEX are listed separately, rather than being combined under the Verizon name; Southwestern Bell and Pacific Bell and Ameritech are listed separately).